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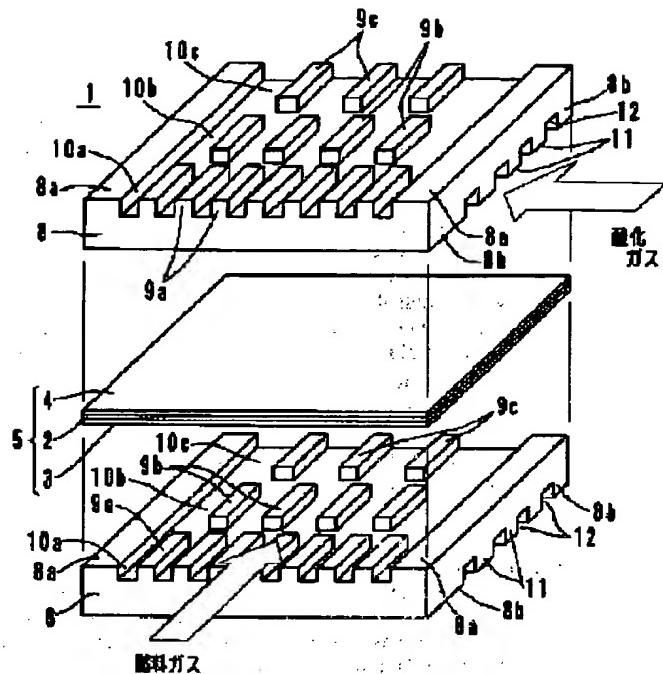
APPLICATION DATE : 03-04-98
APPLICATION NUMBER : 10091878

APPLICANT : MURATA MFG CO LTD;

INVENTOR : TOWATA SHUICHI;

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TITLE : SOLID ELECTROLYTE TYPE FUEL CELL



ABSTRACT : PROBLEM TO BE SOLVED: To provide a solid electrolyte type fuel cell having a small in-plane temperature difference in a power generation part.

SOLUTION: This solid electrolyte type fuel cell 1 has stack structure stacked with a power generation part and an interconnect 8. The power generation part 5 is constituted of a solid electrolyte film 2, a fuel electrode 3 and an air electrode 4. Ribs 9a-9c are arranged on an upper face of the interconnect 8 to be separately partitioned in a direction of a fuel gas flow passage. Respective spaces among the ribs in the ribs 9a, 9b, 9c are widened in order from a flow-in port of the fuel gas passage toward its flow-out port. Plural channels 12 for oxidizing gas which is orthogonal to the direction for fuel gas channels 10a-10c are provided in a lower face of the interconnect 8 with a prescribed interval.

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